PATENT COOPERATION TREATY

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2)	United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE
Date of mailing (day/month/year)	in its capacity as elected Office
29 March 1999 (29.03.99)	
International application No. PCT/US98/14895	Applicant's or agent's file reference
International filing date (day/month/year)	Priority date (day/month/year)
15 July 1998 (15.07.98)	15 July 1997 (15.07.97)
Applicant	
HAVKIN-FRENKEL, Daphna et al	
1. The designated Office is hereby notified of its election made. X in the demand filed with the International Preliminary 05 February 15	y Examining Authority on: 999 (05.02.99) national Bureau on:
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Christelle Croci

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35 Form PCT/IB/331 (July 1992)

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PATENT COOPERATION TREATY

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WIPO

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

12

Applicant's or agent's file reference NONE	FOR FURTHER ACTION	TION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No.	International filing date (day	/month/year)	Priority date (day/month/year)
PCT/US98/14895	15 JULY 1998	4	15 JULY 1997
International Patent Classification (IPC) or national classification and IPC Please See Supplemental Sheet.			
Applicant DAVID MICHAEL & CO., INC.			
Examining Authority and is 2. This REPORT consists of a This report is also accombeen amended and are the (see Rule 70.16 and Sec	total ofsheets. sheets. spanied by ANNEXES, i.e., sheet basis for this report and/or atton 607 of the Administrative	t according to leets of the descible	cription, claims and/or drawings which have ng rectifications made before this Authority.
These annexes consist of a to	otal of sheets.		
3. This report contains indications relating to the following items:			
I X Basis of the repo	rt	•	
II Priority	II Priority		
III Non-establishmer	nt of report with regard to	novelty, inven	tive step or industrial applicability
IV Lack of unity of	invention		
V X Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents cited			
VII Certain defects in the international application			
VIII Certain observations on the international application			
Date of submission of the demand	Date of submission of the demand Date of completion of this report		
05 FEBRUARY 1999		13 OCTOBER	1999
Name and mailing address of the IPEA/	US Au	horized officer	JOYCE BRIDGERS
Commissioner of Patents and Traden Box PCT	narka	THOMAS HA	PARALEGAL SPECIALIST
Washington, D.C. 20231	Tat		CHEMICALIBATHIX
Facsimile No. (703) 305-3230	simile No. (703) 305-3230 Telephone No. (703) 308-0196		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US98/14895	

I. Basis f the report	hich have been furnished to the receiving Office in response to an invitation
under Article 14 are referred to in this report as "originally judge	
x the international application as origin	ally filed.
X the description, pages 1-45	_ , as originally filed.
nages NONE	, filed with the demand.
pages NONE	, filed with the letter of
pages	, filed with the letter of
x the claims, Nos. 1-30	_ , as originally filed.
X the claims, Nos. 1-30 Nos. NONE	, as amended under Article 19.
Nos. NONE	_ , filed with the demand.
Nos NONE	filed with the letter of
Nos	, filed with the letter of
the drawings sheets/fig. 1-3	, as originally filed.
sheets/fig NONE	, filed with the demand.
sheets/fig NONE	filed with the letter of
sheets /fig	, filed with the letter of
x the drawings, sheets/fig NONE	O the amondments had not been made, since they have been considered
This report has been established as if (some of to go beyond the disclosure as filed, as indicated)	ted in the Supplemental Box Additional observations below (Rule 70.2(c)).
4. Additional observations, if necessary: NONE	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/14895

STATEMENT				
Novelty (N)	Claims	1-30		Y
	Claims	NONE		N
Inventive Step (IS)	Claims	1-30		Y
	Claims	NONE		_ N
Industrial Applicability (IA)	Claims	1-30		Y
	Claims	NONE		N
NEW CITATIONSIONE				
			•	
	•			



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US98/14895

Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

CLASSIFICATION:

The International Patent Classification (IPC) and/or the National classification are as listed below: IPC(6): C12N 5/00, 5/14, 15/05, 15/29; A01H 1/00, 3/00, 4/00, 5/00 and US C1.: 435/41, 410, 419, 420, 431, 468; 800/298, 278

INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/14895

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) :C12N 5/00, 5/14, 15/05, 15/29; A01H 1/00, 3/0 US CL :435/41, 410, 419, 420, 431, 468; 800/298, 278 According to International Patent Classification (IPC) or to the			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system foll	owed by classification symbols)		
U.S. : 435/41, 410, 419, 420, 431, 468; 800/298, 278			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Extra Sheet.			
C. DOCUMENTS CONSIDERED TO BE RELEVAN	Т		
Category* Citation of document, with indication, where	e appropriate, of the relevant passages Relevant to claim No.		
Y FUNK et al. Phenylpropanoid Me of Vanilla planifolia Andr. II. Ef Metabolic Inhibitors. Plant Physio entire document.	fects of Precursor Feeding and		
Y FUNK et al. Phenylpropanoid meta Vanilla planifolia Andr. III. Convers into 4-Hydroxybenzoic Acids. Plan 102-108, entire document.	sion of 4-Methoxycinnamic Acids		
Y US 5,279,950 A (LABUDA et al)	18 January 1994, columns 1-4. 1-16		
Y US 5,057,424 A (KNUTH et al) 15	October 1991, entire document. 1-16		
Further documents are listed in the continuation of Bo	ox C. See patent family annex.		
 Special categories of cited documents: A document defining the general state of the art which is not consider to be of particular relevance 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier document published on or after the international filing dat "L" document which may throw doubts on priority claim(s) or which cited to establish the publication date of another citation or of	is considered novel or cannot be considered to involve an inventive step		
special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or otherwants.	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
*Po document published prior to the international filing date but later than *2.* document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report		
10 DECEMBER 1998	11 DEC 1998		
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT	Authorized officer THOMAS HAAS		
Washington, D.C. 20231 Facsimile No. (703) 305-3230	THOMAS HAAS		



INTERNATIONAL SEARCH REPORT

International application No. PCT/US98/14895

B. FIELDS SEARCHED Electronic data bases consulted (Name of data base and where practicable terms used):	
APS, MEDLINE, CABA, CAPLUS, GENBANK, BIOSIS, SCISEARCH search terms: vanilla, vanillin, vanilla planifolia, cell culture, phenylpropanoid, vanillyl alcohol dehydrogenase, hydroxybenzaldehyde, transformation, agrobacterium, microprojectile, electroporation.	
Airege.	

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NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

From the INTERNATIONAL BUREAU

To:

REED, Janet, E.
Dann Dorfman Herrell and Skillman
Suite 720
1601 Market Street
Philadelphia, PA 19103
ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 28 January 1999 (28.01.99)

Applicant's or agent's file reference

IMPORTANT NOTICE

International application No. PCT/US98/14895

International filing date (day/month/year) 15 July 1998 (15.07.98) Priority date (day/month/year) 15 July 1997 (15.07.97)

Applicant

DAVID MICHAEL & CO., INC. et al

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:

AU,BR,CA,CN,EP,IL,JP,KP,KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AL,AM,AP,AT,AZ,BA,BB,BG,BY,CH,CU,CZ,DE,DK,EA,EE,ES,FI,GB,GE,GH,GM,HR,HU,ID,IS,KE, KG,KZ,LC,LK,LR,LS,LT,LU,LV,MD,MG,MK,MN,MW,MX,NO,NZ,OA,PL,PT,RO,RU,SD,SE,SG,SI,SK,

SL,TJ,TM,TR,TT,UA,UG,UZ,VN,YU,ZW The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 28 January 1999 (28.01.99) under No. WO 99/03975

REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

J. Zahra

Telephone No. (41-22) 338.83.38